User manual

Translation

Height adjustable FELDER working table

FAT 300

Please Note: You can download the manual in your local language here: www.felder-group.com

Keep this manual handy and in good condition for continual reference!

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TYPE : FAT 300			CE
NR.: XXX-XXX/XX-XX			
V: - - -	PH: - - -	HZ: - - -	A: - - -
KW: - - - S1			
Baujahr / year of construction / ANNEE DE CONSTR.: 2014			

ARBEITSTISCH / working table

EIGENGEWICHT / net weight	75 KG
TRAGLAST / load capacity	MAX: 300 KG

Made in Austria

Attention! Risk of material damage! The machine must be inspected immediately upon arrival. If the machine has been damaged during transport, or if any parts are missing, a written record of the problems must be submitted to the forwarding agent and a damage report compiled. Also be sure to notify your supplier immediately.

For the safety of all personnel, it is necessary to study this manual thoroughly before assembly and operation. This manual must be kept in good condition and should be considered as part of the machine. Furthermore, the manual must be kept to hand and within the vicinity of the machine so that it is accessible to operators when using, maintaining or repairing the machine.

FELDER | **A product of the FELDER GROUP!**

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1 General

1.1 Symbol legend

Important technical safety instructions in this manual are marked with symbols.
These instructions for work safety must be followed.

In all these particular cases, special attention must be paid in order to avoid accidents, injury to persons or material damage.

Warning! Risk of injury or death!
This symbol marks instructions that must be followed in order to avoid harm to one's health, injuries, permanent impairment or death!

Attention! Risk of material damage!
This symbol marks instructions which, if not observed, may lead to material damage, functional failures and/or machine breakdown!

Note:
This symbol marks tips and information which should be observed to ensure efficient and failure-free operation of the machine.

1.2 Information about the manual

This manual describes how to operate the machine properly and safely. Be sure to follow the safety tips and instructions stated here as well as any local accident prevention regulations and general safety regulations. Before beginning any work on the machine, ensure that the manual, in particular the chapter entitled "Safety" and the respective safety guidelines, has been read in its entirety and fully understood. This manual is an integral part of the machine and must therefore be kept in the direct vicinity of the machine and be accessible at all times. If the machine is sold, rented, lent or otherwise transferred to another party, the manual must accompany the machine.

1.3 Copyright

This manual should be handled confidentially. It is designated solely for those persons who work on or with the machine. All descriptions, texts, drawings, photos and other depictions are protected by copyright and other commercial laws. Illegal use of the materials is punishable by law.

This manual, in its entirety or parts thereof, may not be transferred to third parties or copied in any way or form, and its contents may not be used or otherwise communicated without the express written consent of the manufacturer.
Infringement of these rights may lead to a demand for compensation or other applicable claims. We reserve all rights in exercising commercial protection laws.

1.4 Liability and warranty

The contents and instructions in this manual have been compiled in consideration of current regulations and state-of-the-art technology as well as based on our know-how and experience acquired over many years. This manual must be read carefully before commencing any work on or with this machine. The manufacturer shall not be liable for damage and/or faults resulting from the disregard of instructions in the manual. The text and images do not necessarily represent the delivery contents.
The images and graphics are not depicted on a 1:1 scale. The actual delivery contents are dependent on custom-build specifications, add-on options or recent technical modifications and may therefore deviate from the descriptions, instructions and images contained in the manual. Should any questions arise, please contact the manufacturer. We reserve the right to make technical modifications to the product in order to further improve user-friendliness and develop its functionality.

1.5 Warranty notice

The guarantee period is in accordance with national guidelines. Details may be found on our website, www.felder-group.com

1.6 Spare parts

Attention! Risk of material damage!
Non genuine, counterfeit or faulty spare parts may result in damage, cause malfunction or complete breakdown of the machine.

If unauthorised spare parts are fitted into the machine, all warranty, service, compensation and liability claims against the manufacturer and their contractors, dealers and representatives shall be rejected.

Use only genuine spare parts supplied by the manufacturer.

Note: The original spare parts that have been authorised for use are listed in a separate spare parts catalogue, enclosed in the documentation package supplied with the machine.

1.7 Disposal

Attention! Used electrical materials, electronic components, lubricants and other auxiliary substances must be treated as hazardous waste and may only be disposed of by specialised, licensed firms.

If the machine is to be disposed of, separate the components into the various materials groups in order to allow them to be reused or selectively disposed of. The whole structure is made of steel and can therefore be dismantled without problem.
This material is also easy to dispose of and does not pollute the environment or jeopardise public health. International environmental regulations and local disposal laws must always be complied with.

2 Safety

At the time of its development and production, the machine was built in accordance with prevailing technological regulations and therefore conforms to industry safety standards.
However, hazards may arise should the machine be operated by untrained personnel, used improperly or employed for purposes other than those it was designed for.
The chapter entitled "Safety" offers an overview of all the important safety considerations necessary to optimise safety and ensure the safe and trouble-free operation of the machine.
To further minimise risks, the other chapters of this manual contain specific safety instructions, all marked with symbols. Besides the various instructions, there are a number of pictograms, signs and labels affixed to the machine that must also be heeded. These must be kept visible and must not be removed.

2.1 Intended use

The machine described in this manual is intended solely for:
Machinery equipment vehicle, storage assistance, stacking cart or additional workspace

Operational safety is guaranteed only when the machine is used for the intended purposes.

The term "proper use" also refers to correctly observing the operating conditions as well as the specifications and instructions in this manual.

The machine may only be operated with parts and original accessories from the manufacturer.

Attention! Any use outside of the machine's intended purpose shall be considered improper and is therefore not permitted. All claims regarding damage resulting from improper use that are made against the manufacturer and its authorised representatives shall be rejected. The operator shall be solely liable for any damage that results from improper use of the machine.

2.2 Manual contents

All those appointed to work on or with the machine must have fully read and understood the manual before commencing any work. This requirement must be met even if the appointed person is familiar with the operation of such a machine or a similar one, or has been trained by the manufacturer.
Knowledge about the contents of this manual is a prerequisite for protecting personnel from hazards and avoiding mistakes so that the machine may be operated in a safe and trouble- free manner. It is recommended that the operator requests proof from the personnel that the contents of the manual have been read and understood.

2.3 Making changes and modifications to the machine

In order to minimise risks and to ensure optimal performance, it is strictly prohibited to alter, retrofit or modify the machine in any way without the express consent of the manufacturer.
All the pictograms, signs and labels affixed to the machine must be kept visible, readable and may not be removed. Pictograms, signs and labels that have become damaged or unreadable must be replaced promptly.

2.4 Responsibilities of the operator

This manual must be kept in the immediate vicinity of the machine and be accessible at all times to all persons working on or with the machine. The machine may only be operated if it is in proper working order and in safe condition. The general condition of the machine must be controlled and the machine must be inspected for visible defects every time before it is switched on. All instructions in this manual must be strictly followed without reservation.
Besides the safety advice and instructions stated in this manual, it is necessary to consider and observe local accident prevention regulations, general safety regulations as well as current environmental stipulations that apply to the operational range of the machine.
The operator and designated personnel are responsible for the trouble-free operation of the machine as well as for clearly establishing who is in charge of installing, servicing, maintaining and cleaning the machine.
Machines, tools and accessories must be kept out of the reach of children.

2.5 Personnel requirements

Only authorised and trained personnel may work on and with the machine. Personnel must be briefed about all functions and potential dangers of the machine. "Specialist staff" is a term that refers to those who – due to their professional training, know-how, experience, and knowledge of relevant regulations – are in a position to assess delegated tasks and recognise potential risks. If the personnel lack the necessary knowledge for working on or with the machine, they must first be trained. Responsibility for working with the machine (installation, service, maintenance, overhaul) must be clearly defined and strictly observed. Only those persons who can be expected to carry out their work reliably may be given permission to work on or with the machine. Personnel must refrain from working in ways that could harm others, the environment or the machine itself. It is absolutely forbidden for anyone who is under the influence of drugs, alcohol or reaction-impairing medication to work on or with the machine. When appointing personnel to work on the machine, it is necessary to observe all local regulations regarding age and professional status. The user is also responsible for ensuring that unauthorised persons remain at a safe distance from the machine.
Personnel are obliged to immediately report any irregularities with the machine that might compromise safety to the operator.

2.6 Work safety

Following the safety advice and instructions given in this manual can prevent bodily injury and material damage while working on and with the machine. Failure to observe these instructions can lead to bodily injury and damage to or destruction of the machine. Disregard of the safety advice and instructions given in this manual as well as the accident prevention regulations and general safety regulations applicable to the operative range of the machine shall release the manufacturer and their authorised representatives from any liability and from all compensation claims.

2.7 Personal protective equipment

When working on or with the machine, the following must be strictly observed:

Persons with long hair who are not wearing a hairnet are not permitted to work on or with the machine!

When working on or with the machine, the following must always be worn by personnel:

Protective clothes
Sturdy, tight-fitting clothing (tear-resistant, no wide sleeves, no jewellery (rings, bracelets, necklaces, etc.)).

Protective footwear
To protect the feet from heavy falling objects and prevent sliding on slippery floors

2.8 Machine hazards

The machine has undergone a hazard analysis. The design and construction of the machine are based on the results of this analysis and correspond to state-of-the-art technology.

The machine is considered operationally safe when used properly.
Nevertheless, there are some remaining risks that must be considered.

Warning! Other risks / Risk of injury!

- **Risk of injury through being crushed, caught.**
- **Risk of injury due to insufficient preparation!**
- **Do not work if the floors are still wet or are slippery.**
- **It is strictly forbidden to climb onto the machine - danger of falling.**
- **Consider the machine's centre of gravity when transporting it (minimise the risk of it tipping over).**

3 Technical specifications

3.1 Dimensions and weight

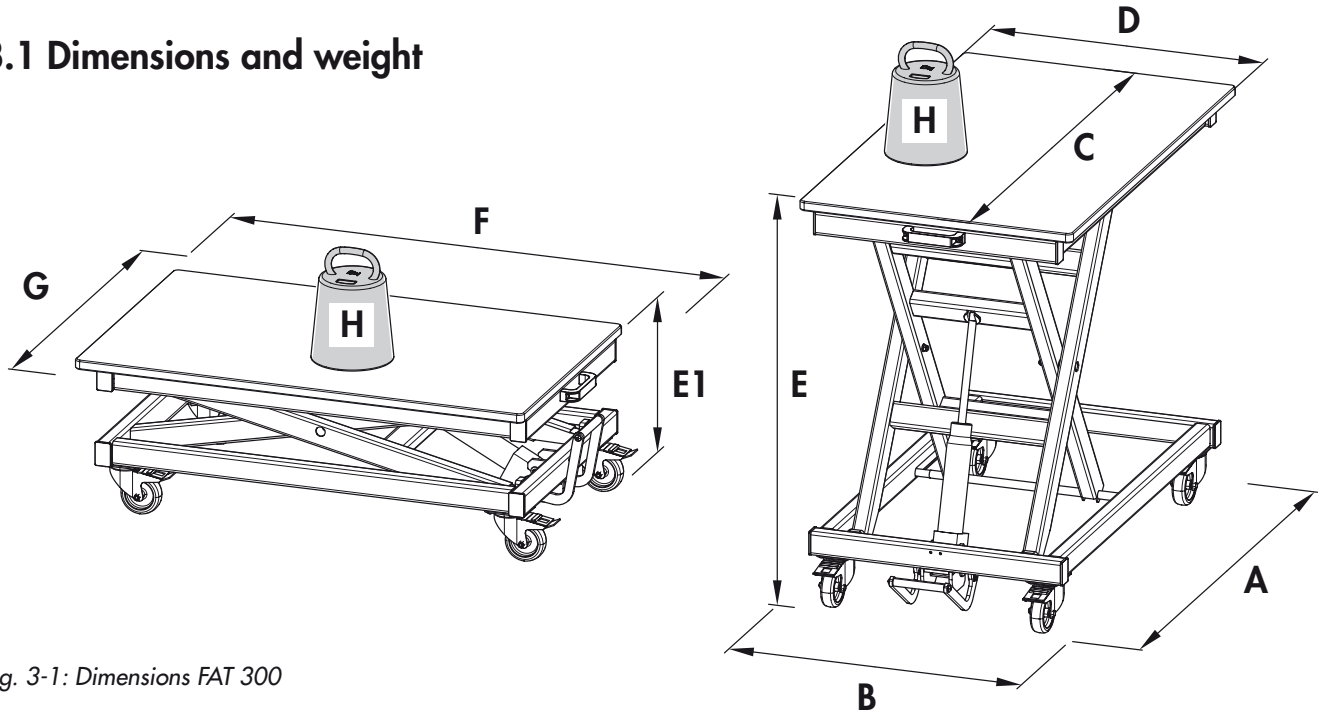


Fig. 3-1: Dimensions FAT 300

Machine	FAT 300
Base dimensions **A x B** (max.)	1290 x 780 mm
Worktop surface **C x D**	1200 x 739 mm
Total height **E** (Position: upper)	approx. 1020 mm
Total height **E1** (Position: down)	approx. 400 mm
total length **F**	max. 1240 mm
Overall width **G**	739 mm
Load capacity **H** (max.)	300 kg
Net weight *)	approx. 75 kg
Operating/room temperature	+10° to +40°C

Machine including packaging	FAT 300
Length x width x Height	1200 x 800 x 400 mm
Transport width min.	640 mm
Weight (approx.)**)	98 kg
Storage temperature	–10° to +50 °C

*) with worktop surface

**) without worktop surface

4 Transport, packaging and storage

4.1 Safety instructions

Attention! Risk of material damage!
The machine can be damaged or destroyed if it is subjected to improper handling during transport.

Warning! Risk of injury!
There is a risk of injury as a result of falling parts while transporting, loading or unloading the machine.

For this reason the following safety instructions must be observed:

- Never lift loads over a person.
- Always move the machine with the utmost care and caution.
- Only use suitable lifting accessories and hoisting devices that have a sufficient load-carrying capacity.
- The machine should never be lifted by its protruding parts (e.g. working table).
- Consider the machine's centre of gravity when transporting it (minimise the risk of it tipping over).
- Take measures to prevent the machine from slipping sideways.
- Ropes, belts or other hoisting devices must be equipped with safety hooks.
- Do not use torn or worn ropes.
- Do not use knotted ropes or belts.
- Ensure that ropes and belts do not lie against sharp edges.
- Transport the machine as carefully as possible in order to prevent damage.
- Avoid subjecting the machine to shocks.
  When transporting the machine overseas, ensure that the packaging is airtight and that a desiccant is added to protect the metal parts against corrosion.

4.2 Transport inspection

Upon arrival, inspect the shipment to ensure that it is complete and has not suffered any damage.
If any transport damage is visible, do not accept the delivery or only accept it with reservation. Record the scope of the damage on the transport documents/delivery note. Initiate the complaint process.

For all defects that are not discovered upon delivery, be sure to report them as soon as they are recognised as damage claims must be filed within a certain period, as granted by law.

4.3 Packaging

If no agreement has been made with the supplier to take back the packaging materials, help to protect the environment by reusing the materials or separating them according to type and size for recycling.

Attention! Dispose of the packaging materials in an environmentally friendly way and always in accordance with local waste disposal regulations. If applicable, contract a recycling firm to dispose of the packaging materials.

Note: Help preserve the environment!
Packaging materials are valuable raw materials and in many cases they can be used again or expediently reprocessed or recycled.

4.4 Storage

Keep items sealed in their packaging until they are assembled/installed and be sure to observe the stacking and storage symbols on the outside of the packaging.

Store packed items only under the following conditions

- Do not store outdoors.
- Store in a dry and dust-free environment.
- Do not expose to aggressive substances.
- Protect from direct sunlight.
- Avoid subjecting the machine to shocks.
- Storage temperature: -10° to +50° C.
- Maximum humidity: 60 %.
- Avoid extreme temperature fluctuations (condensation build-up).
- Apply a coat of oil to all bare machine parts (corrosion protection).
- When storing for longer than 3 months, apply a coat of oil to all bare machine parts (corrosion protection). Regularly check the general condition of all parts and the packaging. If necessary, refresh or re-apply the coat of anti-corrosive agent.
- If the machine is to be stored in a damp environment, it must be sealed in air-tight packaging and protected against corrosion (desiccant).

4.5 Transport

Attention! Risk of material damage!
Transport the machine according to the enclosed transport and assembly instructions!

Note:
The transportation width is well under 1000 mm. This makes it possible to transport the machine through doorways.
To facilitate assembly, ensure the presence of a minimum of one additional people.
Individual installation instructions are found with the machine or the worktop surface.

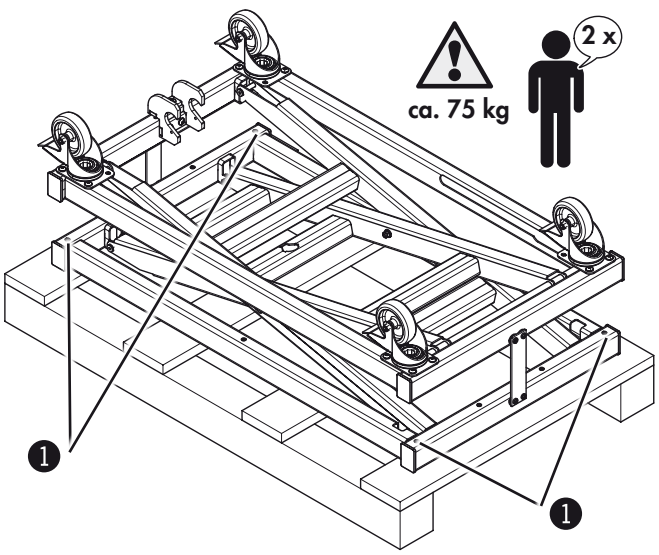


Fig. 4-1: Transport locking device

The machine is partly assembled when delivered on the pallet

The machine is shipped mounted on a pallet. (4 x Securing bolt)

The machine can be transported/unloaded with a fork carriage or a forklift truck or with a crane and hoisting loop.

1 Securing bolt

5 Setup and installation

5.1 Safety instructions

Warning! Risk of injury! Improper assembly and installation can lead to serious physical injury or equipment damage. For this reason, this work may only be carried out by authorised, trained personnel who are familiar with how to operate the machine and in strict observance of all safety instructions.

- Before assembling and installing the machine, check to make sure it is complete and in good condition.
- Keep the work area orderly and clean. Components and tools that are not put in their correct place or put away may be the cause of accidents!
- Ensure that there is sufficient space to work around the machine.

Warning! Risk of injury! An incomplete, faulty or damaged machine can lead to serious physical injury or equipment damage. Only assemble and install the machine if the machine and its parts are complete and intact.

5.2 Floor space requirement

Note:
Individual installation instructions are found with the machine or the worktop surface.

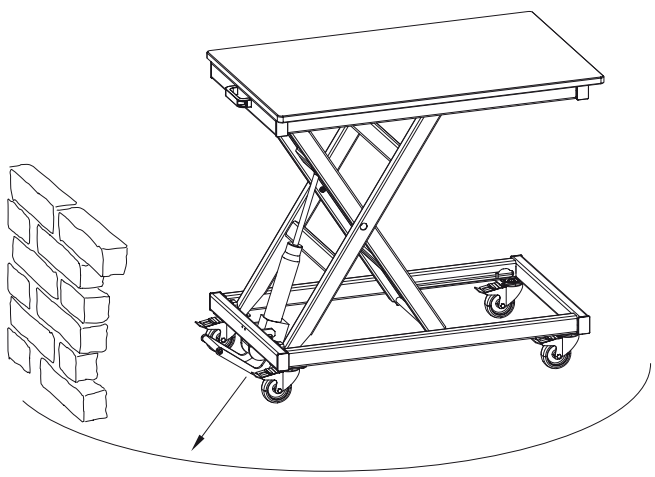


Fig. 5-1: Space requirements/Measurements

Installation site requirements:

- Operation/room temperature: +10° to +40° C
- Ensure that the work surface is sufficiently stable and has the proper load-bearing capacity
- Provide sufficient light at the workstation
- Ensure there is sufficient clearance for or from neighbouring workstations

To operate and maintain the machine, leave a min. of 500 mm space all around the machine.

6 Operation

Attention! Risk of material damage! Danger of tipping
Only process work pieces that can be securely positioned
Load capacity (max.) 300 kg

6.1 Authorised and prohibited work techniques

Authorised working techniques

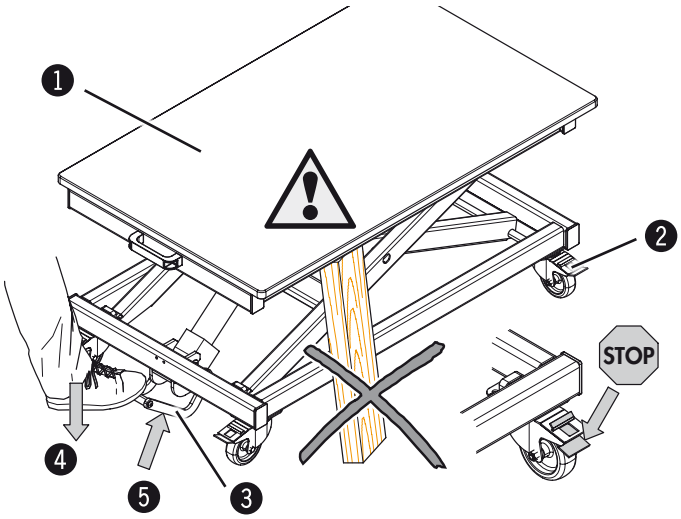
- Can be used as: Machinery equipment vehicle, storage assistance, stacking cart or additional workspace

The following working techniques are prohibited on this machine:

- It is strictly forbidden to climb onto the machine - danger of falling.

6.2 Adjust the working height

Attention! Risk of material damage!
When setting the working height (particularly when lowering), be sure that no workpieces or other objects have been placed beneath the table (wedging threat).



1 Work bench
2 4 solid rubber rollers with locks
3 Foot pedal

The working height can be adjusted continuously between 400 and 1020 mm.

1. Wheel lock: press in and lock

3. **Adjust the working height:**
   Operate the lever on the machine frame.
   (Push to the bottom)
   4 place to the top

4. **Lower the work bench:**
   Operate the lever on the machine frame.
   - Push slowly to the top (up to stop)
   - press and hold

   5 Lower the work bench

Note: Avoid jerky movements.
Operate the lever on the machine frame --> up to stop !

7 Service / Cleaning the machine

Note:
Generally there is no lubrication necessary, because the ball bearings are free of maintenance.
The guiding systems are completely maintenance free and do not require the addition of lubricants.

Fig. 7-1: Remove dust and shavings

We recommend that dust and chips are cleaned off the machine if required, especially from the table surfaces.

Using the "glue Solvent & press cleaner", it is easy to remove all glue residues from tools and machine parts

Never use caustic or abrasive detergents.

Cleaning and care products are available as accessories (Felder catalogue).

Attention! Risk of material damage!
The lift cylinder is free of maintenance and must not be taken apart by the user.

8 Annex - Declaration of Conformity

CE

EG-Declaration of Conformity
According to Machine Guidelines 2006/42/EG

We hereby declare that the machine indicated below, which corresponds to the design and construction of the model we placed on the market, conforms with the health and safety requirements as stated by the EC.

Manufacturer:	**Felder KG** **KR-FELDER-STR.1** **A-6060 Hall in Tirol**
Product designation:	**Height adjustable FELDER working table**
Make:	**FELDER**
Model designation:	**FAT 300**
The following EC guidelines were applied:	**2006/42/EG**

This EC Declaration of Conformity is valid only if the CE label has been affixed to the machine.

Modifying or altering the machine without the express written agreement of the manufacturer shall render the warranty null and void.

The signatory of this statement is the appointed agent for the compilation of the technical information.

Johann Felder

Johann Felder, Managing Director FELDER KG
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Hall in Tirol, 1.6.2014

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